Jamal Bouajjaj

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Qualifications

- Designed and worked on multiple electronic projects and products, personally and professionally.
- Experience with RF and IOT applications, including first-hand experience with BLE.
- Designed circuit boards in KiCad and Altium Designer.
- Developed firmware for AVR, STM32, PIC, and MSP430 microcontrollers.
- Developed Python automation, production, and data analysis applications.
- Designed enclosures and fixtures in FreeCAD and Solidworks.

Education

University of New Haven | West Haven, CT   8/2022 → 5/2023
Master of Science in Electrical Engineering

- Research project about digital pre-distortion for RF applications.

University of New Haven | West Haven, CT   8/2018 → 5/2022
Bachelor of Science in Electrical Engineering   GPA: 3.88

Work Experience

Strain Measurement Devices | Wallingford, CT   5/2022 → Present
Electrical Engineering

Strain Measurement Devices | Wallingford, CT   4/2019 → 5/2022
Electrical Engineering Intern

- Designed circuits and products for various applications, such as a Bluetooth based application, a non-invasive liquid detector, and a non-invasive flow meter.
- Designed various internal testing fixtures and software.
- Assisted production to ensure a smooth operation.

University of New Haven | West Haven, CT   08/2022 → Present
Teacher Assistant for Embedded Systems

- Assisted the professor in updating class materials.
- Assisted students with the material.

University of New Haven | West Haven, CT   10/2018 → Present
Makerspace Staff

- Designed soldering kits for soldering events.
- Hosted the space's events, including soldering events.
- Maintained the equipment at the space.
- Assisted and helped people use the space/equipment.